

IN THE CLAIMS

Please amend claims as follows.

1-7. (canceled)

8. (currently amended) A method of manufacturing a surface treated steel material comprising performing chemical conversion treatment on a steel material having a steel composition containing 0.5 – 13% Cr using a chemical conversion treatment liquid containing zinc and phosphoric acid or manganese and phosphoric acid and further containing potassium to form a chemical conversion film of a zinc-phosphate type or a manganese phosphate type, wherein the chemical conversion treatment is carried out in the absence of fluoride ions.

9. (original) A method of manufacturing a surface treated steel material as claimed in claim 8 wherein the chemical conversion treatment liquid has a molar concentration of potassium-containing ions of at least $6 \times 10^{-4}\%$ and at most $7 \times 10^{-1}\%$.

10. (original) A method of manufacturing a surface treated steel material as claimed in claim 8 wherein chemical conversion treatment is carried out by immersing the surface of the steel material in the chemical conversion treatment liquid at a temperature of 60 - 100°C for at least five minutes.

11. (original) A method of manufacturing a surface treated steel material as claimed in claim 8 wherein the chemical conversion treatment is carried out by

Serial No. 10/771,294

supplying the chemical conversion treatment to the surface of the steel material at a temperature of 60 - 100°C for at least five minutes.

12-19. canceled

20. (new) The method of claim 8, wherein the performing step is on oil well pipe made of the steel material.